Name of Ship:	M/V Anne-Sofie
Flag:	Antigua & Barbuda
IMO Number:	9376490
Owner/Manager:	SAL Heavy Lift GmbH

To:	The Flag state authority	ADOMS St. John's
	Fax/Email:	Fax: +1 268 462 4358 / adomsstjohns@abregistry.ag

To:	Bunker Port authority	Gibraltar Port Authority
	Fax/Email:	gpaops@portofgibraltar.gi

To:	Supplier	Bominflot (Gibraltar) Ltd.
	Fax/Email:	+ 350 200 47 618

CC:	DNV Petroleum Services	
	Fax/Email:	DNVPSHamburg@dnv.com

Bunkering Date:	9.03.14
Bunkering Port and Country:	Gibraltar – U.K.
Bunker Supplier Name:	Bunkers Ltd.
Barge/Terminal/Truck:	M/V Stephanie
Issuing Date of Notification:	15.3.14

Notification:

This is to record that during the above started bunkering, the subsequent fuel quality test result or onboard experiences indicate that the fuel does not comply with Reg.14 (i.e. sulphur level as specified in BDN or confirmations/clauses) or Reg.18 (fuel oil quality) of the Revised MARPOL Annex VI.

1. Fuel Quality

The representative fuel sample taken simultaneously with the onboard MARPOL sample has been tested by DNV Petroleum Services with the result as per attached copy of the fuel quality test report. The report indicates that:

-the sulphur level in the fuel supplied exceed 1.00% from 1 July 2010 in ECA and above the declared sulphur content in the supplier's Bunker Delivery Note (Copy attached) :

*Include only the applicable statement(s) for parameter(s) indicating violation of Reg. 14 (i.e.sulphur level as specified in BDN or confirmations/clauses) or Reg.18 (fuel oil quality) of the Revised MARPOL Annex VI.

M/V „ANNE-SOFIE"

In the event further investigation is required, the representative onboard MARPOL sample is the governing sample for determination of fuel quality under MARPOL Annex VI.

It is therefore recommended that the Administration as per the Revised MARPOL Annex VI Regulation 18.8.2 formally requests the ship to forward the representative onboard MARPOL sample to an ISO 17025 accredited laboratory of their choice, for verification testing. Prior to testing, the laboratories' documented experience in fuel testing and attendant test procedures and methods, as well as the calibration and condition and suitability of the laboratory equipment used, should be verified to be acceptable.

Testing should include basic parameters such as Density, Viscosity, Vanadium, Sulphur and Nickel to establish the identity of the fuel in case of a future legal dispute and to include extended testing if necessary for verification of inorganic acids, added substance or chemical waste which either jeopardizes the safety of ships or adversely affects the performance of the machinery, or is harmful to personnel, or contributes overall to additional air pollution.

We would further appreciate it if one of our representatives is invited to witness the breaking of the seal and the verification testing of the sample. It should also be considered to invite the bunker Port Administration and the supplier to witness the seal-breaking and verification testing.

We hereby lodge a protest to the supplier to reserve rights for any future consequences on this matter.

We hereby also notify the relevant Authorities in accordance with the requirements of MEPC.181(59) "Guidelines for Port State Control under the revised MARPOL Annex VI".

The Authorities are hereby requested to consider initiating actions as specified in Reg.18.9 of the Revised MARPOL Annex VI.

Yours faithfully,

H.D. Jauss
(Name of Master of the Vessel)

(Signature of Master of Vessel and Vessel's Stamp)

M/V „ANNE-SOPHIE"

*Include only the applicable statement(s) for parameter(s) indicating violation of Reg. 14 (i.e.sulphur level as specified in BDN or confirmations/clauses) or Reg.18 (fuel oil quality) of the Revised MARPOL Annex VI.

BUNKERS (GIBRALTAR) LTD

BUNKER DELIVERY NOTE

Form	: OPS 101
Issue	: 000
Date	: 12-04-05
Approved	: M.M.M.

Bunker Delivery Note No.	*Bunker Supplier Licence No.*	*Supply Location:*
446463 2014-237		GIBRALTAR

Vessel:	ANNE SOFIE	Supply Tanker:	STEPHANIE		
Owner / Operator / Charterer:		Alongside:	09	March	2014 17:20
	SAL	Hoses Connected:	09	March	2014
		Pumping Commenced:	09	March	2014
		Pumping Completed:	09	March	2014
Type / GRT:	General Cargo /12950	Hoses Disconnected:	09	March	2014
IMO No.	9376490	Cast Off:	09	March	2014

Product supplied			
Fuel Characteristics		Quantity	
roduct (ISO 8217: 2005 E)	LSFO 380	Gross observed vol (Litres)	495.852
Kinetic Viscosity @50°C,mm2/s (ISO 3104)	288	Gross standard vol (Litres)	485.489
Density @15°C,kg/m3 (ISO 3675 or ISO 12185)	989.9	Quantity (Metric Tonnes)	480.051
Water content % V/V (ISO 3733)	0.1	Delivered Temperature °C	45.5
Flashpoint °C (ISO 2719)	84	Volume Correction Factor (ASTM table 54B)	0.9791
Sulphur content % m/m (ISO 14596 or ISO 8754)	0.980	Weight conversion factor (ASTM table 56)	0.9888

We declare that the fuel characteristics and quantity of the product supplied are correct, in accordance with MARPOL 73/78 Annex VI - Regulations 14(1) and 18(1) and the Merchant Shipping (Prevention of Air Pollution from Ships) regulations 2005.

For BUNKERS (GIBRALTAR) LTD

Company's name and stamp

Signature of Cargo Officer

MAZILU TONI DANIEL

Full name in block letters

Mv "Stephanie"
Stephanie Shipping Limited
IMO : 9427438 NT : 2444
GT : 5424

Master Stamp

We acknowledge receipt of the above product and confirm sealed and numbered samples as follows:

Vessel	:	BGL 09-001	0129401
Supply Tanker	:	BGL 09-001	0129402
Bunkers Gibraltar	:	BGL 09-001	0129403
Vessel (MARPOL)	:	BGL 09-001	0129404
Bunkers Gibraltar (MARPOL)	:	BGL 09-001	0129405

Surveyor's name and signature (if present)

Signature of Master / Owner's Representative

DORGE

Full name in block capitals

M/V „ANNE-SOFIE"

Master Stamp

Principal Office:

Bominflot (Gibraltar) Ltd.
Suite 10/12, Water Gardens, 2
Gibraltar
Tel. +350 200 47 616/47 617
Fax +350 200 47 618

Bominflot
Bunker Delivery Note

Name of Vessel	IMO Number	Delivery Date	Bominflot Ref. Number
ANNE SOPIE	9376490	09.03.2014	446463

Port of Delivery	ex wharf	RTW	Barge
GIBRALTAR BAY			STEPHANIE

Products/Grades ISO-8217	IFO AS 380	IFO LS 380	MDO DMB	GASOIL DMA
Kin. Viscosity cst at 50/20°C, cSt	286,50	288,00		
Metric Tons	660,642	480,058		
Litres 15°C	667923	485489		
Temperature °C	41.4	45.5		
Vanadium	137	29		
Density at 15°C kg/m³	0,9902	0,9899		
Flash Point °C	>100	84,00		
Pour Point °C	-6,00	-6,00		
Sulphur content % m/m	2,90	0,98		

Declaration of Supplier's Representative. **Supplier warrants that the products delivered under this receipt are in conformance with Annex VI of Marpol 73/78, regulations 14 (1) and 18 (1)**

Ship's Sample Seal Number	0129 406	0129 401		
Supplier's Sample Seal Number	0129 407	0129 402		
Supplier's Custody Sample Seal Number	0129 408	0129 403		
Marpol 73/78 Ship's Sample Seal Number	0129 409	0129 404		
Marpol 73/78 Supplier's Sample Seal Number	0129 410	0129 405		

Remarks: The Marpol sample is to be kept under the ship's custody at least 12 month

Barge Loading Date		Started hour		Finished hour
Pumping Date	09/10.03.2014	Started hour	18.24	Finished hour 00.05

Received on board the stated quantities to be used as bunker in commercial shipping, together with representative and Marpol samples.
Vessel's representative hereby acknowledges by signature/stamp that vessel has received copies of applicable MSDS Sheet(s) in full compliance with the relevant Solas Regulations

Captain/Chief Engineer

For Bominflot (Gibraltar) Ltd.

Mv "Stephanie" Malta
Stephanie Shipping Limited
IMO : 9427432 GRT : 5424 NT : 2444

Bominflot (Gibraltar) Ltd. Registered No. 76413

Master's/Chief Engineer's signed written request

The Undersigned hereby requests that the following grades and quantities be delivered to:

Name of Vessel Delivery Date

Grade	IFO	IFO	MDO	GASOIL
Viscosity cst at 50/20°C				
Metric Tons				
Required Pumping Rate/h				

If the ship is unable to take delivery of the full quantity ordered, all expenses in connection with returning the oil to the installation shall be for buyer's account.
The Ship's Management is invited to appoint a representative to check and to witness the opening and closing meter readings of tank dips.
Attached warning received.

Place

Date

Master's/Chief Engineer's Signature and Vessel's Stamp

Warning

The Ship's Management is urgently requested to appoint staff members for the supervision of the hose. The Ship's Engineers in charge of bunkering operations must not close valves on board without first giving ample warning to the attendant of the delivering lighter or the attendant ashore, who is in constant touch with the Main installation. Any instructions from the Ship's Engineers such as **Slow down** or **Stop** will be carried out immediately to avoid excessive pressures on the pipeline, which may cause the hoses to burst. Furthermore, prior to bunkering operations every precaution should be taken to eliminate any contamination of water by oil spillage, such as the placing of drip pans, the closing of the scuppers, etc. Any oil spillage on board will be the sole responsibility of the vessel taking Bunkers if this warning is ignored. The crews of the bunker installations or lighters are to report immediately even the slightest indication of contamination to the partners Authorities.

Operational FQT Report : 13-Mar-2014
ANNE-SOFIE (9376490)

Summary

☐ Based on the Aluminium + Silicon result(s), operational difficulties may be experienced. Based on the Sulfur result(s) and the commercial sample received, the fuel is potentially non-compliant. Please refer to the advice on the next page for more information.

△ Please take note of the precautions on the next page related to the fuel quality trend of the past four bunker samples

Sample Number	ROT1409166	**Customer**	SAL HEAVY LIFT GMBH
Product Type	(LSFO)	**Seal Data**	DNVPS, SEAL INTACT, 8187233
Bunker Port	GIBRALTAR		
Bunker Date	09-Mar-2014	**Related Samples**	
Sampling Point	SHIP MANIFOLD	**Supplier**	8187231
Sampling Method	CONTINUOUS DRIP	**Ship**	8187232
Sent From	MALAGA	**MARPOL**	0129404
Date Sent	09-Mar-2014		
Arrived at Lab	12-Mar-2014		
Supplier	BUNKERS GIB		
Loaded From	STEPHANIE		
Quantity per C.Eng.	480		

Receipt Data

Source Of Data	B.D.N.		**Sulfur**	0.98	% m/m
Density @ 15°C	989.9	kg/m³	**Volume @ 15°C**	485.489	m³
Viscosity @ 50°C	288.0	mm²/s	**Quantity**	480.051	MT

Fuel Quality

Current	Trend	Parameter	**GIBRALTAR 09-Mar-2014**	SNG1403772 SINGAPORE 05-Feb-2014	SNG1401545 SHANGHAI 02-Jan-2014	SNG1330466 BUSAN 31-Oct-2013	Unit
		Density @ 15°C	**990.1**	990.8	989.9	989.1	kg/m³
		Viscosity @ 50°C	**303.6**	315.0	352.0	351.7	mm²/s
	△	Water	**0.1**	0.4	0.4	LT 0.1	% V/V
		Micro Carbon Residue	**13**	13	14	13	% m/m
☐		Sulfur	**1.02**	2.70	2.65	3.26	% m/m
		Total Sediment Potential	**0.06**	0.04	0.04	LT 0.01	% m/m
		Ash	**0.04**	0.07	0.07	0.02	% m/m
		Vanadium	**42**	260	222	55	mg/kg
		Sodium	**22**	33	31	5	mg/kg
		Iron	**33**	14	21	11	mg/kg
		Nickel	**39**	38	48	19	mg/kg
		Calcium	**12**	14	16	2	mg/kg
		Magnesium	**3**	2	2	LT 1	mg/kg
		Zinc	**1**	2	3	LT 1	mg/kg
		Phosphorus	**LT 1**	1	1	LT 1	mg/kg
		Potassium	**4**	2	1	LT 1	mg/kg
		Pour Point	**LT 24**	LT 24	LT 24	LT 24	°C
		Flash Point	**GT 70**	GT 70	GT 70	GT 70	°C
☐	△	Aluminium + Silicon	**53**	23	32	9	mg/kg
		CCAI (Ignition Quality)	**853**	854	852	851	-
	Reported problems with fuel			No	No	No	

Operational FQT Report : 13-Mar-2014
ANNE-SOFIE (9376490)

Operational Advice :

☐	Sulfur - Based on this commercial sample and the sulfur content specified on the BDN, the fuel oil is potentially non-compliant if used within a designated Emission Control Area (ECA, ref. MARPOL Annex VI Reg. 14(4)). It is recommended that the situation is recorded through a notification or Note of Protest (NoP) issued by the Master. Only the relevant official authorities can then advise on any further action necessary. Please note that the official MARPOL sample provided by the supplier is the governing sample regarding the compliance with this statutory requirement. For assistance issuing the Note of Protest, please refer to DNVPS' Instruction Manual.
☐	Fuel contains abrasive contaminants as indicated by Aluminium + Silicon. Efficient centrifuging of the fuel is most important in order to reduce the abrasive contaminant to an acceptable level. Maintain fuel temperature at 98°C at separator inlet and use reduced flow rate. Consider to operate separators in parallel. Please refer to manufacturers instructions for further information. Based on Aluminium + Silicon content, we recommend to send a set of FSC samples to assess the efficiency and confirm optimum operation of the fuel treatment plant. As a minimum, representative samples taken before and after the separators are required for this assessment. Red labels should be used for the FSC samples. Please refer to the Instruction Manual included in the sample kits for more detailed information.
△	Noticeable amount of abrasive contaminants as indicated by Aluminum + Silicon can accumulate in the tanks onboard also for fuels within specification. It is recommended that tanks and filters are frequently drained to avoid carry over to the engine. We also recommend that samples are taken regularly before and after centrifuge to check centrifuge efficiency (Fuel System Check testing).
△	Water has been present in your latest bunker samples, please check tank drains regularly for accumulated water.

Approximate fuel temperatures:

Injection:
140°C for 10 mm²/s
120°C for 15 mm²/s
110°C for 20 mm²/s
105°C for 25 mm²/s

Transfer :
40°C

DNVPS Colour Code used :

✓ Satisfactory ☐ Caution ✗ Use of fuel not recommended △ Fuel Trend

Note:
LT means Less Than, GT means Greater Than.
Quantity (Weight) is based on BDN Volume, DNVPS Density and a weight factor of 1.1 kg/m³ (ASTM D1250-80 Table 56).

Best Regards,
On behalf of DNV Petroleum Services Pte Ltd
Dennis Pronk
Coordinator Technical Services

End of Report for ANNE-SOFIE

For technical or operational advice or further information on this report please contact your nearest DNVPS office or contact us directly at Tel : +31 10 2922600 Email : tvpnl155@dnvps.com

Specification FQT Report : 13-Mar-2014
ANNE-SOFIE (9376490)

Summary

Results compared with amended ISO 8217:2005 specification RMG380, table 2. Based on this sample the specification is met.

Note: Sulfur has been retested and confirmed.

Sample Number	ROT1409166	**Customer**	SAL HEAVY LIFT GMBH
Product Type	(LSFO)	**Seal Data**	DNVPS, SEAL INTACT, 8187233
Bunker Port	GIBRALTAR		
Bunker Date	09-Mar-2014	**Related Samples**	
Sampling Point	SHIP MANIFOLD	**Supplier**	8187231
Sampling Method	CONTINUOUS DRIP	**Ship**	8187232
Sent From	MALAGA	**MARPOL**	0129404
Date Sent	09-Mar-2014		
Arrived at Lab	12-Mar-2014		
Supplier	BUNKERS GIB		
Loaded From	STEPHANIE		
Quantity per C.Eng.	480		

Receipt Data

Source Of Data	B.D.N.		**Sulfur**	0.98	% m/m
Density @ 15°C	989.9	kg/m³	**Volume @ 15°C**	485.489	m³
Viscosity @ 50°C	288.0	mm²/s	**Quantity**	480.051	MT

ISO 8217:2005 (table 2)

Test Parameters	Result	RMG380	Unit	Test Method
Density @ 15°C	990.1	991.0	kg/m³	ISO 12185
Viscosity @ 50°C	303.6	380.0	mm²/s	ISO 3104
Water	0.1	0.5	% V/V	ASTM D6304-C
Micro Carbon Residue	13	18	% m/m	ISO 10370
Sulfur	1.02	3.50	% m/m	ISO 8754
Total Sediment Potential	0.06	0.10	% m/m	ISO 10307-2
Ash	0.04	0.15	% m/m	LP 1001
Vanadium	42	300	mg/kg	IP 501
Aluminium	24	—	mg/kg	IP 501
Silicon	29	—	mg/kg	IP 501
Calcium	12	30*	mg/kg	IP 501
Zinc	1	15	mg/kg	IP 501
Phosphorus	LT 1	15	mg/kg	IP 501
Pour Point	LT 24	30	°C	LP 1304
Flash Point	GT 70	60	°C	ISO 2719-B
Calculated Values				
Aluminium + Silicon	53	80	mg/kg	
Net Specific Energy	40.84	—	MJ/kg	
CCAI (Ignition Quality)	853	—	-	
Quantity (Weight)	480.149	—	MT	
Quantity Difference	0.098	—	MT	

*All three elements shall exceed the limits before the fuel is deemed to contain ULO

GMS ITEM	FEDERAL –QUESTIONS (Continued)	Y	N
USCG-11	If your vessel is traveling to or from a U.S. port via Western Alaska, including the Aleutian Islands (i.e. Great Circle route) and/or Prince William Sound, have you arranged for Alaska Alternative Planning Criteria (APC) Transit Coverage through the Alaska Marine Prevention and Response Network (AMPRN), aka "NETWORK" even if not calling an Alaskan port? If this has not been completed, contact GMS immediately (info@chgms.com) **NOTE: in addition to APC coverage, ships should abide by the APC Risk Reduction Operating Procedures unless deemed unsafe by the master.**		
USCG-12	Are you operating with compliant fuel? The North American Emission Control Area (NA-ECA) is now in effect. Boundaries of the NA-ECA are 200 NM from the US & Canada baselines including Hawaii & South East Alaska to the North East tip of Kodiak Island. It does not include the Aleutian Islands or Unimak Pass. Full coordinates are contained in MEPC.190(60). Ensure proper logging in accordance with MARPOL Annex VI/14.6 is conducted. Ensure bunker delivery notes, fuel sample analysis, and fuel samples from at least the past 12 months are on-board. If a vessel does not have compliant bunkers of 1.0% or less sulfur and the vessel will be calling a US Port, a "Fuel Oil Non-Availability Report" must be filed with the EPA and Flag State before arrival and the vessel must make best attempts to bunker compliant fuel as early as possible. Contact GMS at info@chgms.com if the ship will call a US Port and does not have any fuel conforming to the NA- ECA standards aboard. There is no allowance for "innocent passage" of the US portion of waters within the NA-ECA using non-compliant fuel, including vessels bound to/from Canada via the US Waters of the Straits of Juan de Fuca, Boundary Pass, or Haro Strait. Failure to switch to compliant fuel before arriving at the ECA boundary is a violation of Annex VI. **NOTE: For vessels transiting Canadian waters, see CAN-2.**		
USCG-13	Is vessel compliant with USCG Ballast Water Management requirements of 33 CFR 151, including but not limited to, ballast exchanges or treatment, Biofouling & Sediment Removal Procedures, etc.? **NOTE: Check also all destination port(s) State-specific ballast water management requirements.**		
USCG-14	Has the BWM Reporting Form (http://invasions.si.edu/nbic/forms/NBICReportingForm.pdf) been submitted to the NBIC (via email: NBIC@BALLASTREPORT.ORG or fax +1 301 261 4319) at least 24 hours prior to arrival at port? **NOTE: Also check State requirements for port calling and send to State calling, if required.**		
USCG-15	Have you conducted and logged tests as per 33 CFR 164.25(a) no more than 12 hours prior to entering Navigable Waters of the United States or no more than 12 hours before getting underway from a port or anchorage in the United States? **NOTE: Navigable waters means all navigable waters of the U.S. including the territorial sea of the U.S., extending to 12 nautical miles from U.S. baselines.**		
USCG-16	Have you conducted and logged tests as per 33 CFR 164.25(d) no more than 48 hours prior to entering Navigable Waters of the United States if not already conducted in accordance with SOLAS Chapter V?		

Specification FQT Report : 13-Mar-2014
ANNE-SOFIE (9376490)

Other Parameters				
Sodium	22	—	mg/kg	IP 501
Iron	33	—	mg/kg	IP 501
Nickel	39	—	mg/kg	IP 501
Magnesium	3	—	mg/kg	LP 1101
Potassium	4	—	mg/kg	LP 1101

Sulfur - Based on this commercial sample and the sulfur content specified on the BDN, the fuel oil is potentially non-compliant if used within a designated Emission Control Area (ECA, ref. MARPOL Annex VI Reg. 14(4)). It is recommended that the situation is recorded through a notification or Note of Protest (NoP) issued by the Master. Only the relevant official authorities can then advise on any further action necessary. Please note that the official MARPOL sample provided by the supplier is the governing sample regarding the compliance with this statutory requirement. For assistance issuing the Note of Protest, please refer to DNVPS' Instruction Manual.

Note:
LT means Less Than, GT means Greater Than.
Quantity (Weight) is based on BDN Volume, DNVPS Density and a weight factor of 1.1 kg/m³ (ASTM D1250-80 Table 56).

Best Regards,
On behalf of DNV Petroleum Services Pte Ltd
Dennis Pronk
Coordinator Technical Services

End of Report for ANNE-SOFIE

For technical or operational advice or further information on this report please contact your nearest DNVPS office or contact us directly at Tel : +31 10 2922600 Email : tvpni155@dnvps.com